6SL7-GT

HIGH-MU TWIN TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage	6.3	ac or dc volts
Current	0.3	amp

Direct Interelectrode Capacitances (Approx.):°

	Unit No.1	*Unit No.2*	
Grid to plate	2.8	2.8	$\mu\mu f$
Grid to cathode and heater	3.0	3.4	$\mu\mu f$
Plate to cathode and heater	3.8	3.2	$\mu\mu f$

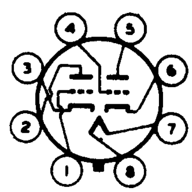
Mechanical:

Mounting Position	Any
Maximum Overall Length	3-5/16"
Maximum Seated Length	2-3/4"
Maximum Diameter	1-9/32" ←
Bulb	T-9

Base . . . . . Intermediate-Shell Octal 8-Pin (JETEC No.B8-6) ←
or Short Intermediate-Shell Octal 8-Pin (JETEC No.B8-46)

Basing Designation for BOTTOM VIEW 8BD

Pin 1 - Grid of Unit No.2
Pin 2 - Plate of Unit No.2
Pin 3 - Cathode of Unit No.2
Pin 4 - Grid of Unit No.1



Pin 5 - Plate of Unit No.1
Pin 6 - Cathode of Unit No.1
Pin 7 - Heater
Pin 8 - Heater

AMPLIFIER—Class A_1

Values are for Each Unit

Maximum Ratings, ***Design-Center Values:*** ←

PLATE VOLTAGE	300 max.	volts
GRID VOLTAGE:		
Positive bias value	0 max.	volts
PLATE DISSIPATION	1 max.	watt
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Characteristics:

Plate Voltage	250	volts

° With close-fitting shield (JETEC No.308) connected to cathode. ←

← Indicates a change.

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Grid Voltage	-2	volts
Amplification Factor	70	
Plate Resistance (Approx.)	44000	ohms
Transconductance	1600	μmhos
Plate Current.	2.3	ma

→ **Typical Operation as Resistance-Coupled Amplifier:**

See RESISTANCE-COUPLED AMPLIFIER CHART No.7 at front of this Section

→ Indicates a change.

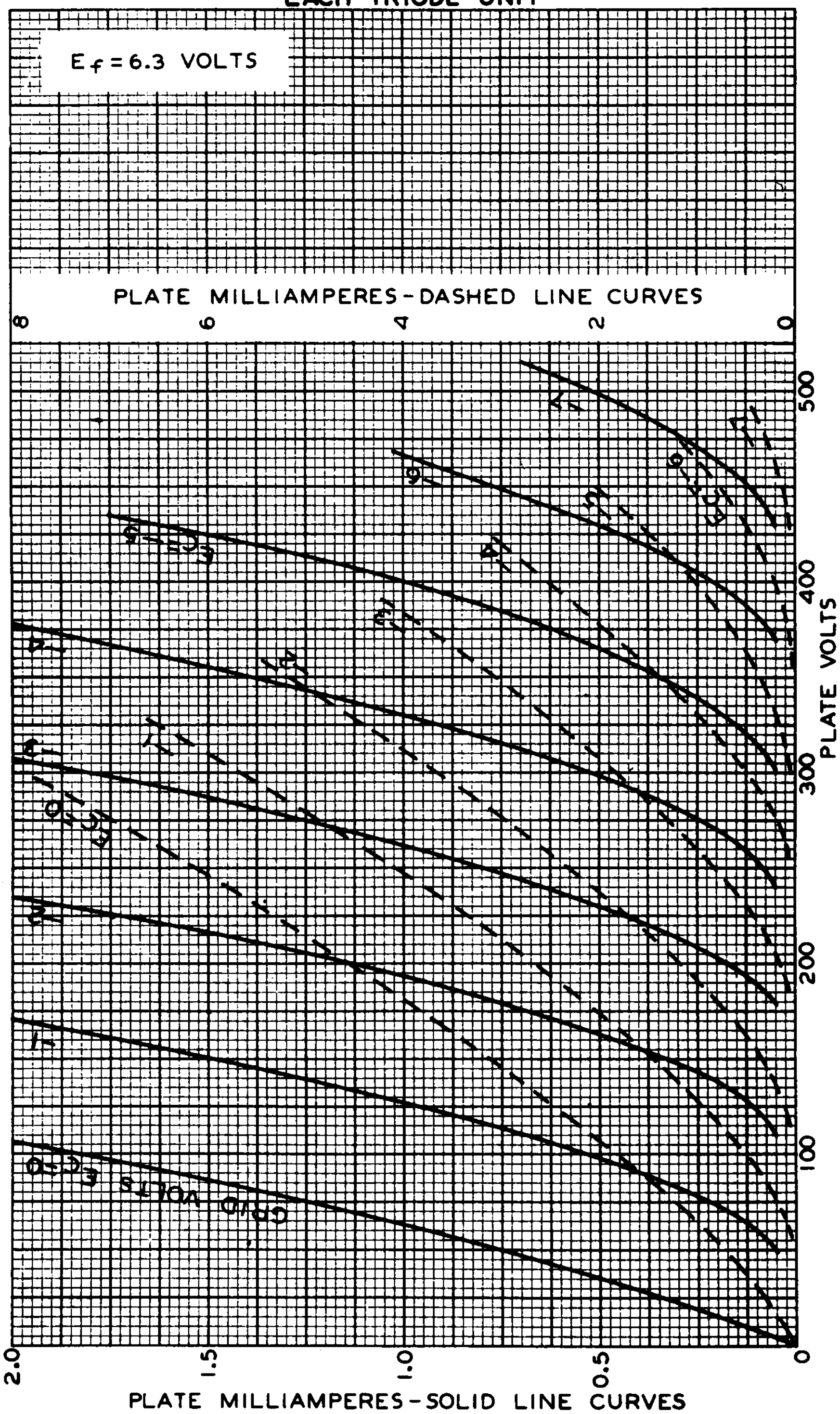
TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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RCA

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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT



JUNE 16,1941 TUBE DIVISION 92CM-6298

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